

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A contact-type image sensor module comprising:
a light source ~~for irradiating~~ configured to irradiate two or more sorts of light including infrared light on a document;
a lens ~~for focusing~~ configured to focus light reflected from the document;
a light-receiving part ~~for receiving~~ configured to receive the reflected light focused by the lens;
a housing ~~for containing~~ configured to contain at least the lens and the light-receiving part; and
a transparent element to which the document draws near or comes into contact with, the transparent element supported by the housing, and provided on an area thereof through which the reflected light passes with infrared light shielding extending to a width of 0.1 through 0.4 mm in a direction orthogonal to that in which the document travels.

Claim 2 (Currently Amended): A contact-type image sensor module as recited in claim 1, wherein:

the transparent element has at least a two-tier structure;
the transparent element on a side ~~thereof~~ that a document face draws near is hemispherical; and
the infrared light shielding is provided on the planar side of the hemispherical part of the transparent element.

Claim 3 (Currently Amended): A contact-type image sensor module comprising:

a light source ~~for irradiating~~ configured to irradiate two or more sorts of light including infrared light on a document;

a lens ~~for focusing~~ configured to focus reflected light from the document;

a light-receiving part ~~for receiving~~ configured to receive the reflected light focused by the lens;

a housing ~~for containing~~ configured to contain at least the lens and the light-receiving part;

a transparent element ~~for passing through~~ which the reflected light passes; and

a document guide to which the document draws near or comes into contact with, the document guide is supported by the housing attachably to or detachably from the housing, and ~~fixes~~ configured to fix the transparent element.

Claim 4 (Currently Amended): A contact-type image sensor module as recited in claim 3, wherein the document guide has a slit in the proximity of a reading position ~~thereof~~.

Claims 5-6 (Canceled).

Claim 7 (Currently Amended): A contact-type image sensor module comprising:

a light source ~~for irradiating~~ configured to irradiate two or more sorts of light including infrared light on a document;

a lens ~~for focusing~~ configured to focus reflected light from the document;

a light-receiving part ~~for receiving~~ configured to receive the reflected light focused by the lens;

a housing ~~for containing~~ configured to contain at least the lens and the light-receiving part;

a transparent element placed on a part of an area of the element ~~for passing~~ configured to pass through the reflected light; and

a document guide ~~for fixing~~ supported by the housing and configured to fix the transparent element, the document guide ~~to which the document draws~~ configured to draw near or comes into contact with the document, ~~and supported by the housing.~~

Claim 8 (Currently Amended): A contact-type image sensor module as recited in claim 7, wherein the document guide has a slit in the proximity of a reading position ~~thereof~~.

Claim 9 (Currently Amended): An image reading apparatus comprising:

[[a]] two contact-type image sensor module having modules, each comprising:

a light source ~~for irradiating~~ configured to irradiate two or more sorts of light including infrared light on a document;

a lens ~~for focusing~~ configured to focus light reflected from the document;

a light-receiving part ~~for receiving~~ configured to receive the reflected light focused by the lens;

a housing ~~for containing~~ configured to contain at least the lens and the light-receiving part; and

a transparent element to which the document draws near or comes into contact with, the transparent element supported by the housing, and provided on an area thereof through which the reflected light passes with infrared light shielding extending to a width of 0.1 through 0.4 mm in a direction orthogonal to that in which the document travels, wherein;

optical axes of the two contact-type image sensor modules placed opposite each other are made to coincide;

the housings of the contact-type image sensor modules are fixed to each other with a single metallic part; and

both faces of the document are read out with the document being conveyed into a gap between the opposing document guides.

Claim 10 (Currently Amended): An image reading apparatus comprising:

[[a]] two contact-type image sensor module modules, each comprising having:

a light source ~~for irradiating~~ configured to irradiate two or more sorts of light including infrared light on a document;

a lens ~~for focusing~~ configured to focus reflected light from the document;

a light-receiving part ~~for receiving~~ configured to receive the reflected light focused by the lens;

a housing ~~for containing~~ configured to contain at least the lens and the light-receiving part;

a transparent element for passing through the reflected light; and

a document guide to which the document draws near or comes into contact with, the document guide is supported by the housing attachably to or detachably from the housing, and fixes the transparent element, wherein;

optical axes of the two contact-type image sensor modules placed opposite each other are made to coincide;

the housings of the contact-type image sensor modules are fixed to each other with a single metallic part; and

both faces of the document are read out with the document being conveyed into a gap between the opposing document guides.

Claim 11 (Canceled).

Claim 12 (Currently Amended): An image reading apparatus comprising:

[[a]] two contact-type image sensor module modules, each comprising having;

a light source ~~for irradiating~~ configured to irradiate two or more sorts of light including infrared light on a document;

a lens ~~for focusing~~ configured to focus reflected light from the document;

a light-receiving part ~~for receiving~~ configured to receive the reflected light focused by the lens;

a housing ~~for containing~~ configured to contain at least the lens and the light-receiving part;

a transparent element placed on a part of an area of the element for passing through the reflected light; and

a document guide for fixing the transparent element, the document guide to which the document draws near or comes into contact with, and supported by the housing, wherein;

optical axes of the two contact-type image sensor modules placed opposite each other are made to coincide;

the housings of the contact-type image sensor modules are fixed to each other with a single metallic part; and

both faces of the document are read out with the document being conveyed into a gap between the opposing document guides.

Claim 13 (Currently Amended): An image reading apparatus as recited in claim 9, wherein[[:]] in each of the contact-type image sensor having; sensors,

the transparent element has at least a two-tier structure;

the transparent element on a side thereof a document face draws near is hemispherical; and

the infrared light shielding is provided on the planar side of the hemispherical part of the transparent element.

Claim 14 (Currently Amended): An image reading apparatus as recited in claim 10, wherein:

in each of the contact type image sensors ~~sensor comprising~~ the document guide has ~~having~~ a slit in the proximity of a reading position thereof.

Claim 15 (Canceled).

Claim 16 (Currently Amended): An image reading apparatus as recited in claim 12, wherein:

in each of the contact type image sensors ~~sensor comprising~~ the document guide has ~~having~~ a slit in the proximity of a reading position ~~thereof~~.